

**Notice of Allowability**

Application No.

10/033,733

Examiner

Jorge L. Ortiz-Criado

Applicant(s)

HIGASHIHARA ET AL.

Art Unit

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 27 December 2001.
2. ☒ The allowed claim(s) is/are 1-13.
3. ☒ The drawings filed on 27 December 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 6/20/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

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**DETAILED ACTION**

***Allowable Subject Matter***

1. Claims 1-13 are allowed.
2. The following is an examiner's statement of reasons for allowance:

The prior art of record (J.P 2000-090460 to Azuma et al. in combination with J.P. 07.296403 to Mimori et al.) teaches an objective lens drive an objective lens drive device has movable unit having a holder part that holds the objective lens, a supported cylinder part that is supported on the support shaft, end wind-around parts around which is wound the end part of a focusing coil or the end part of a tracking coil and to which it is soldered, and a coil bobbin part that is positioned opposite a magnet and around which is wound a focusing coil or tracking coil, an objective lens drive device having high rigidity in order to prevent the occurrence of high-order resonance or other vibration, and that the supported cylinder part having high slidability in order to insure smooth action with respect to the support shaft, the end wind-around parts around which the end part of each coil is wound should heat resistance to allow dip-soldering, and the coil bobbin part having no electrical conductivity, so that no shorting occurs even if the covering peels off in the wound-around state.

However, in regard with claims 1 and 3, Applicant's claimed invention is deemed allowable over the prior art of record as the prior art fails to teach or suggest either alone or in combination wherein the movable unit including **a first member having the holder part that holds the objective lens, and the cylinder part** by which the movable unit is supported on the support shaft rotatably about and slidably along the support shaft, **is formed of a material**

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**having greater rigidity and slidability than a second member, which the second member having the coil bobbin part** that is positioned opposite to the magnets and around which is wound one of the focusing coil and the tracking coil and **the end wind-around parts,** specifically **is formed of a non-electrically-conductive material having greater heat resistance than said first member.**

And, in regard with claim 5, Applicant's claimed invention is deemed allowable over the prior art of record as the prior art fails to teach or suggest either alone or in combination wherein **the holder part that holds the objective lens, and the supported part** supported on the support shaft rotatably about the support shaft and slidably along the support shaft **are formed of a first material, and** specifically **the coil bobbin part** around which are wound the first coil and the second coil and the **end attachment parts** to which are attached end parts of the first coil and the second coil, are formed of **a second material, wherein said first material has greater rigidity than said second material, and said second material is non-electrically-conductive.**

And, in regard with claims 12, and 13, Applicant's claimed invention is deemed allowable over the prior art of record as the prior art fails to teach or suggest either alone or in combination wherein **the holder part that holds the objective lens, and the supported part** supported on the support shaft rotatably about the support shaft and slidably along the support shaft, **are formed of a first material, and** specifically the **end attachment parts** to which are attached end parts of the first coil and the second coil, **being formed of a second material,**

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wherein **the first material has a greater sidability than said second material, and said second material has greater heat resistance than said first material.**

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

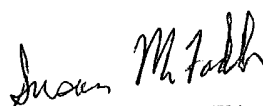
***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jorge L Ortiz-Criado whose telephone number is (703) 305-8323. The examiner can normally be reached on Mon.-Thu.(8:30 am - 6:00 pm), Alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris H To can be reached on (703) 305-4827. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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SUSAN MCFADDEN  
PRIMARY EXAMINER